

## BURTON A. WAISBREN, M. D.

SUITE 331 BANKERS BUILDING  
208 EAST WISCONSIN AVENUE  
MILWAUKEE 2, WISCONSIN

PRACTICE LIMITED TO  
INTERNAL MEDICINE

March 29, 1952

Joshua Lederberg  
Associate Professor of Genetics  
University of Wisconsin  
College of Agriculture  
Madison, Wisconsin

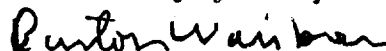
Dear Dr. Lederberg:

I want to thank you for your kindness on March 15th in showing me your equipment and exchanging ideas.

I am enclosing the sensitivity to 8 antibiotics of the three strains you gave me. The fact that the W1177 is streptomycin resistant is of real importance and might indicate a mode of action of streptomycin in preventing the absorption of what ever amino acid W1177 is deficient in. If you would be willing to send me your whole series of amino acid deficient strains with the information as to what amino acids they are unable to synthesize I feel it would be worthwhile to do the sensitivity tests on them.

We will keep you informed in regard to our reconstitution experiments and hope in the future to have the privilege of seeing you often. Thank Miss Lively again for her patient help. You cooled me a bit on my single cell enthusiasm but I still hope to get the technique down well enough to start each experiment with single cells.

Sincerely yours,



Burton A. Waisbren, M.D.

BAW:jem  
Enclosure (1)

INFECTIOUS DISEASE CONTROL UNIT  
MILWAUKEE COUNTY GENERAL HOSPITAL

NAME K12 HOSPITAL # \_\_\_\_\_ WARD \_\_\_\_\_

The strain of \_\_\_\_\_ isolated from the \_\_\_\_\_  
(species) (source)

of the above patient on \_\_\_\_\_ was inhibited by the concentra-  
(date)

tions of antibiotics indicated below as determined by the tube dilution method.

Inhib.  
conc.  
in  
μg/ml.

.38									OX				
.38								1	1				
.75			1					OX					
1.5	1		OX	1				OX					
3	OX	OX		X									
6													
12					0								
25					1X								
50													
100													
100				0									
	A U R E O M Y C I N	C H L O R O M Y C E T I N	T E R R A M Y C I N	S T R E P T O M Y C I N	P E N I C I L I N	N E O M Y C I N	Q - 1 9	B A C I T R A C I N	P O L Y M Y X I N - B				

Remarks:

K12 = X  
W1177 = 0  
W5816 = 1